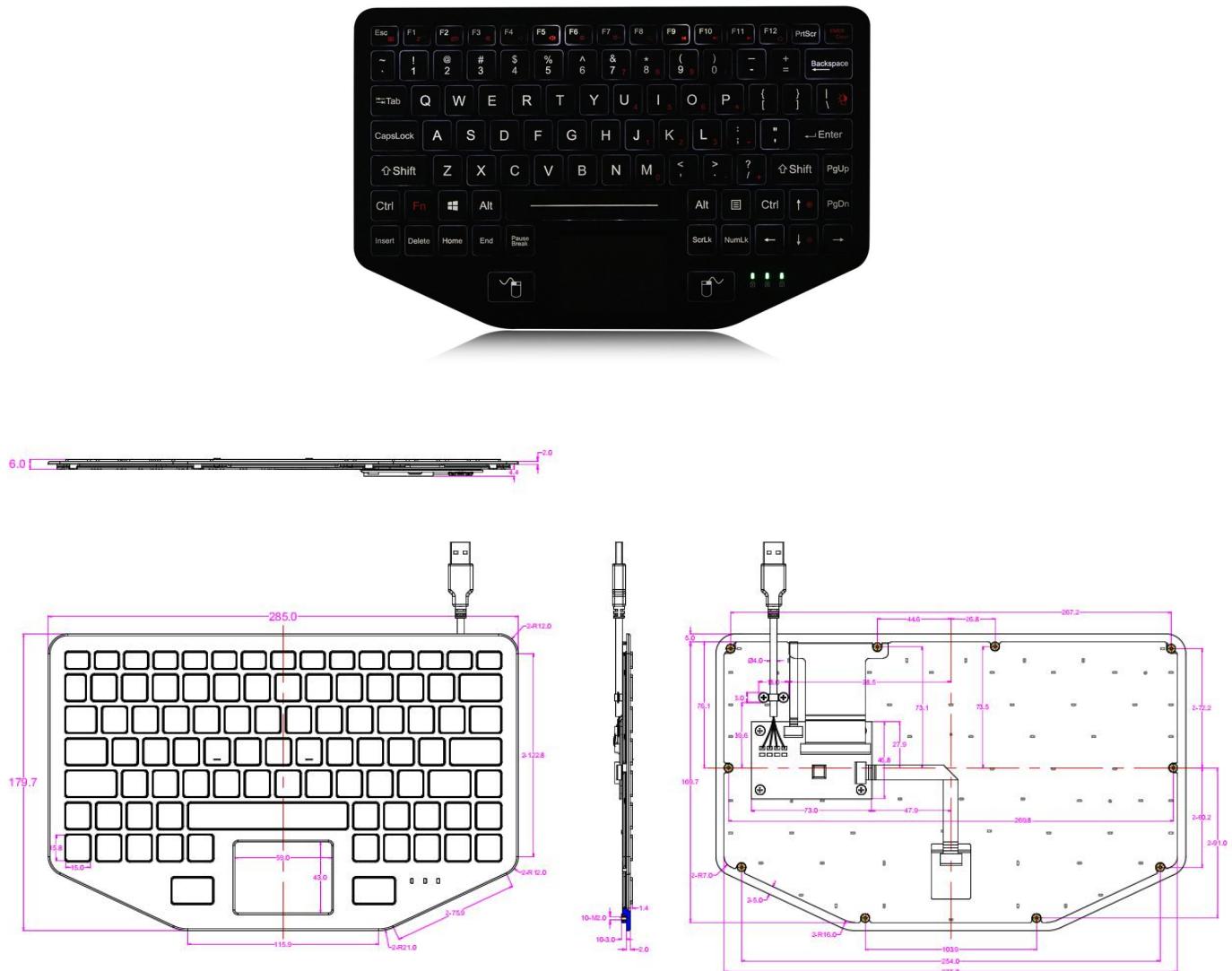


Model NO.: K-TEK-V275TP-FN-BL-SC-DWP

DESCRIPTION: 91 keys IP65 static sealed & ruggedized keyboard, with independent three-proof control board module, with full keyboard functionalities integrated with sealed & ruggedized tough touchpad for fast and accurate cursor position, 12 FN keys are on the top line for easy operation, with the reinforcement of scissors switch technology, 1.20mm key stroke for long life-span with extremely good tactile feeling for fast and accurate data input without any noise, there is no key value missing, no stuck key, no repeated key value output during the keyboard operation. **FN + CLEAN** combination key for easy cleaning via lock/disable the entire keyboard without needing to take the keyboard from PC, and avoid mis-operation during the cleaning process. Adjustable white or red color industrial backlight included to fit dim conditions, built-in top panel mounting version, USB interface, embedded mounted installation, mountable desktop version optional.

DIMENSION: 285.00mm x 179.69mm x 6.00mm (L x W x H)



| MECHANICAL DATA | |
|---|--|
| Keys | 91 keys (including 2 mouse buttons) |
| Key top style | Low profile flat rectangular keys with tactile feeling. |
| Key Size | 15.8mm x 15.8mm for normal keys |
| Key travel | 1.20mm±0.20mm |
| Actuation Force | 1.2N±0.2N (pressure point) |
| Switch life | more than 5 million of operations |
| Touch pad | Integrated capacitive multi-touch touchpad for mouse and scroll functionality. |
| Touchpad cover | Composite |
| More than Lifetime 10 million strokes | |
| Mutual capacitance sensing | |
| X/Y axis location detection resolution | 40 Counts /mm |
| X/Y position report | relative |
| Output (self-detectable depending on cable) | USB |
| Tracking speed | Maximum 1,016 m/sec |
| Power supply voltage | 5VDC ± 0.25V |
| Current rating (active mode) | < 10 mA |
| G.W. | 0.40KGs |
| ELECTRICAL DATA | |
| Supply Voltage | DC +5V±5% |
| Current Rating | 50mA when backlight is off, 300mA with backlight on |
| EMC Standard | EN 55032:2015 EN 55035:2017 |
| Lifespan | > 5 years |
| Switch Contact Material | Professional Scissors membrane switch technology |
| Interface | USB |
| Cable length | Standard 2.0m, customized length, coiled cable available |
| OS | All Windows, Linux, Unix, Mac OSX, Vxworks, Android, which is no need separate drivers, just plug and play, each keyboard to include the same USB identification string, so that swapping keyboards does not require drivers to reload. Firmware updating is available via using USB cable if technical issues arise with the product that can be fixed in software. |
| ENVIRONMENTAL ADAPTABILITY | |
| Operating temperature | -20°C to +55°C |
| Storage temperature | -30°C to +65°C |



| | |
|-------------------------|---|
| Operating RH | 3%~95% |
| Atmospheric pressure | 60-106Kpa |
| Saline mist | 96 hours, IEC 60512-6 |
| Damp heat test at +40°C | 21 days, IEC 60512-6 |
| Dry heat test at +85°C | 10 days, IEC 60512-6 |
| RELIABILITY | |
| RoHS, CE, FCC | |
| Protection Level | IP65 static |
| Key Lifespan | >5 million actuations |
| MTBF | >20000H |
| MTTR | <30min |
| APPLICATION | Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, UAV ground station etc. |

